

Section 101

Response To Notice To File Missing Parts Of Application Filing Date Granted (PTO-1533)(Large Entity)		Docket No. ER-090-US-01	
In Re Application Of: Hill et.al.			
Serial No. 09/867,046	Filing Date 05/29/2001	Examiner N/A	Group Art Unit 3635
Invention: Metal Plasma Surface-Modified Thermal Barrier Channel			
<p style="text-align: center;"><u>TO THE ASSISTANT COMMISSIONER FOR PATENTS:</u> <u>Box Missing Parts</u></p> <p>This is a response to the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533) mailed on <u>07/27/2001</u> Date</p> <p>Enclosed herewith for filing are the following:</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> A copy of the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533). (REQUIRED)<input type="checkbox"/> An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date.<input type="checkbox"/> A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date.<input type="checkbox"/> An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date.<input type="checkbox"/> A verified English translation of the non-English language application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the United States Patent and Trademark Office.<input checked="" type="checkbox"/> Other (list):<div style="border: 1px solid black; padding: 5px; margin-top: 5px;"><ol style="list-style-type: none">1. Applicant submits a copy of the oath that was filed with the original application on May 29, 2001.2. The enclosed copy of the transmittal letter and return receipt postcard indicate that the oath was received by the Patent Office with the filing of the application. Accordingly Applicant believes that no additional fee is due. However, if the Patent Office deems otherwise, please charge any fees due to Deposit Account 06-2241.3. Change of Attorney or Agent's Address In Application.4. Postcard</div>			

**Response To Notice To File Missing Parts Of Application
Filing Date Granted (PTO-1533)(Large Entity)**

Docket No.
ER-090-US-01

In Re Application Of: Hill et al.

Serial No.
09/867,046

Filing Date
05/29/2001

Examiner
N/A

Group Art Unit
3635

Invention: Metal Plasma Surface-Modified Thermal Barrier Channel

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

☐ Completion of application fees as calculated below:

☐ Utility application filing fee _____

☐ Design application filing fee _____

☐ Total number of independent claims = _____

☐ Total number of claims = _____

☐ Multiple dependent claims _____

☐ Surcharge for late payment of filing fee and/or late filing of original declaration or oath _____

☐ Petition and fee for filing by other than all the inventors or a person not the inventor _____

☐ Fee for processing an application filed with a non-English language specification _____

☐ Fee for processing and retention of application _____

Total completion of application fees _____

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to the above-identified Notice to File Missing Parts of Application. The requested extension is as follows (check time period desired). If an additional time extension is required, please consider this a petition therefor.

☐ One month ☐ Two months ☐ Three months ☐ Four months ☐ Five months

from: _____ until: _____
Date Date

Total time extension fees _____

Total fees due _____

**Response To Notice To File Missing Parts Of Application
Filing Date Granted (PTO-1533) (Large Entity)**

Docket No.
ER-090-US-01

In Re Application Of: Hill et al.

Serial No.
09/867,046

Filing Date
05/29/2001

Examiner
N/A

Group Art Unit
3635

Invention: Metal Plasma Surface-Modified Thermal Barrier Channel

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Box Missing Parts

The fee of _____ is to be paid as follows:

- ☐ A check in the amount of the fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 06-2241
A duplicate copy of this sheet is enclosed.
- ☒ If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No. 06-2241
A duplicate copy of this sheet is enclosed.


Signature

Dated: Sept. 11, 2001

Nancy N. Quan, Agent Reg No. 36,248
H.B. Fuller Company, Patent Dept.
1200 Willow Lake Blvd.
P.O. Box 64683
St. Paul, MN 55164-0683

I certify that this document and fee is being deposited on 9/11/2001 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


Signature of Person Mailing Correspondence

Julie G. Post

Typed or Printed Name of Person Mailing Correspondence

CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Nathanael Hill

Docket No.

ER-090-US-01

Serial No.

Filing Date

May 29, 2001

Examiner

N/A

Group Art Unit

N/A

Invention:

METAL PLASMA SURFACE-MODIFIED THERMAL BARRIER CHANNEL

SEP 17 2001

I hereby certify that the following correspondence:

1. Utility Patent Application Transmittal
2. Patent Application
3. Declaration/Power of Attorney
4. Assignment & Recordation Form
5. Post-card

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

May 29, 2001

(Date)

Julie G. Post

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EL397262756US

("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

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UTILITY PATENT APPLICATION TRANSMITTAL

(Large Entity)

Docket No.
ER-090-US-01

Total Pages in this Submission

29

TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

METAL PLASMA SURFACE-MODIFIED THERMAL BARRIER CHANNEL

and invented by:

Nathanael Hill

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 19 pages and including the following:
 - a. ☐ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if drawings filed)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

COPY

#4



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/867,046	05/29/2001	Nathanael Hill	ER-090-US-01

27791
ALLISON JOHNSON P.A.
6016 LOGAN AVE S.
MINNEAPOLIS, MN 55419



CONFIRMATION NO. 6093

FORMALITIES LETTER



OC000000006352537

Date Mailed: 07/27/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

09/17/2001 BABRAKAI 00000013 062241 09867046

01 FC:105 130.00 CH



EL397262756US

EXPRESS

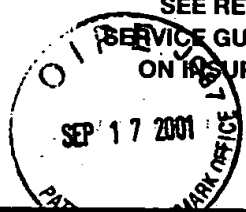
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ORIGIN (POSTAL USE ONLY)		
PO ZIP Code 55127	Day of Delivery <input checked="" type="checkbox"/> Next <input type="checkbox"/> Second	Flat Rate Envelope <input type="checkbox"/>
Date In 5-29-01	<input checked="" type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM	Postage \$ 12.25
Time In 523	<input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	Return Receipt Fee
<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	Int'l Alpha Country Code	COD Fee Insurance Fee
Weight 7 ozs.	Acceptance Clerk Initials MR	Total Postage & Fees \$ 12.25
No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday		



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FROM: (PLEASE PRINT) H.B. Fuller Company Patent Dept. PO Box 64683 St. Paul, MN 55164-0683 PHONE: (651) 231-5603	TO: (PLEASE PRINT) Box Patent Application Assistant Commissioner For Patents Washington D.C. 20231 PHONE:
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PRESS HARD. You are making 3 copies. FOR PICKUP OR TRACKING CALL 1-800-222-1811 www.usps.gov

Serial No.: n/a	Docket No.: ER-090-US-01
Applicant(s): M. Hill et al.	
Title: metal Plasma Surface-Modified Thermal Barrier Channel	

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:

- ☒ New ; ☐ Continuation; ☐ Divisional; ☐ Provisional; ☐ CIP Patent Application Under 37 CFR 1.53(b);
- ☒ 12 pgs. Specification; ☒ 6 pgs. Claims; & ☒ 1 page Abstract; ☒ Drawings: ☒ Sheets (Formal/ Informal)
- ☒ Combined Declaration & Power of Attorney; or Substitute POA; or Associate POA
- ☐ Supplemental or Information Disclosure Statement, Modified Form 1449 & Cited References
- ☐ Response to Missing Parts & PTO 1533 Copy
- ☐ Assignment Recordation Form & Executed Assignment
- ☐ Amendment/Response to Office Action
- ☐ Notice of Appeal and/or Appeal Brief and Transmittal
- ☒ Payment Authorization from Deposit Account 06-2241 for \$ **1,056.00**
- ☒ Other **Postcard**
- ☐ Certificate of First Class Mailing Under 37 CFR 1.8 Dated **5/29/01**
- ☒ "Express Mail" Mailing Label No. **EL397262756US**

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